

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE ER REGULATORY CONTACT RECORD

Date/Time: July 6, 2005 9:00

Site Contact(s): Annette Primrose Norma Castaneda
Phone: 303 993-2761 303 966-4226

Regulatory Contact: David Kruchek
Phone: 303 692-3328

Agency: CDPHE

Purpose of Contact: Building 776 – Backfill of Existing Subsurface structures

Discussion

Where possible, samples were collected after removal of the deep structures within Building 776. These were below action levels for the depths excavated. Because of the continued excavation activities, only available locations were sampled for each area. Excavations were the result of structure removal, not remedial actions. Therefore, with the exception of the basement area where there is only one sample, the samples collected are considered sufficient. The areas sampled included the following:

- 776 basement with plutonium activity less than 1 pCi/g on the south face of the excavation. A sample will be collected from the base of the remaining open excavation for the basement to document residual contamination, if any. This excavation is approximately 20-25 feet deep. The current condition of the basement will be documented in the closeout report.
- C-Pit with a maximum plutonium activity of 420 pCi/g at the base of the excavation at a depth of 16 feet
- D-Pit with a maximum plutonium activity of about 300 pCi/g at the base of the excavation at a depth of about 30 feet
- E-Pit with a maximum plutonium activity of about 20 pCi/g at the base of the excavation at a depth of about 12 feet

The remaining excavations greater than 3 feet deep will be backfilled with the existing pile of clean soil removed from under the slab, and additional imported clean fill material. The remaining excavations are the basement area, and the combined C- and D-Pit excavations. The E-Pit excavation was previously backfilled during excavation of the basement

Soils at the surface in this area will be characterized and removed if above surface soil action levels to a depth of 3 feet below existing grade.

Contact Record Prepared By: Annette Primrose

Required Distribution:

M. Aguilar, USEPA
H. Ainscough, CDPHE
J. Berardini, K-H

D. Mayo, K-H RISS
S. Nesta, K-H RISS
L. Norland, K-H RISS

Additional Distribution:

H. Linsinbigler, K-H RISS
M. Flannery, K-H RISS
V. Wren, K-H RISS

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B. Birk, DOE-RFPO
L. Brooks, K-H ESS
G. Carnival, K-H RISS
N. Castaneda, DOE-RFPO
C. Deck, K-H Legal
N. Demos, SSOC
S. Garcia, USEPA
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S. Johnson, K-H ESS
M. Keating, K-H RISS
L. Kimmel, USEPA
D. Kruchek, CDPHE

E. Pottorff, CDPHE
A. Primrose, K-H RISS
M. Roy, DOE-RFPO
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D. Shelton, K-H ESS
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C. Zahm, K-H Legal

T. Vaughn, K-H RISS
G. Kelley, K-H RISS

